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NOV 28 2006

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions:

1. (Currently Amended) A method comprising:

receiving an indicator of a brightness ~~level for a backlight setting for a~~  
display, said display having a backlight having driven by a voltage inverter; and  
selecting either a continuous mode of operation for the voltage inverter or  
a burst mode of operation for the voltage inverter based at least in part on the  
indicator.

2. (Currently Amended) The method of claim 1 further comprising:

comparing the brightness ~~level setting~~ to a threshold brightness ~~level~~  
setting;

if the brightness ~~level setting~~ is above the threshold brightness ~~level~~  
setting, setting the indicator to indicate a high brightness ~~level setting~~; and

if the brightness ~~level setting~~ is below the threshold brightness ~~level~~  
setting, setting the indicator to indicate a low brightness ~~level setting~~.

3. (Currently Amended) The method of claim 2 wherein the threshold brightness  
~~level comprises setting corresponds to~~ 60 candela per meter squared.

4. (Currently Amended) A method comprising:

comparing a brightness level for a backlight to a threshold brightness level, said backlight having a voltage inverter;

if the brightness level is above the threshold brightness level, setting an indicator to indicate a high brightness level;

if the brightness level is below the threshold brightness level, setting the indicator to indicate a low brightness level; and

selecting either a continuous mode of operation for the voltage inverter or a burst mode of operation for the voltage inverter based at least in part on the indicator. ~~The method of claim 2 wherein the threshold brightness level corresponds to an intersection of an efficiency curve of the voltage inverter in the continuous mode and an efficiency curve of the voltage inverter in the burst mode.~~

5. (Original) The method of claim 4 further comprising:

locating the intersection.

6. (Currently Amended) The method of claim 1 further comprising:

~~setting~~ adjusting the brightness level setting for the backlight display based on at least one of a user input and an operating system control.

7. (Currently Amended) The method of claim 1 wherein selecting either the continuous mode or the burst mode comprises:

selecting the continuous mode if the indicator indicates a brightness-level setting above a threshold; and

selecting the burst mode if the indicator indicates a brightness-level setting below the threshold.

8. (Currently Amended) An apparatus comprising:

an inverter component for a backlight for a display; and

a controller for the inverter component, said controller to operate the inverter component in either a continuous mode or a burst mode based at least in part on a brightness-level setting for the backlight display.

9. (Currently Amended) The apparatus of claim 8 wherein the inverter component comprises:

a first switch coupled between a first node and a second node, said first node to couple to a voltage source;

a second switch coupled between the second node and a third node, said third node to couple to a ground;

a third switch coupled between the first node and a fourth node;

a fourth switch coupled between the third node and the fourth node;

a first capacitive element coupled between the second node and a fifth node;

a transformer having a first coil coupled between the ~~second~~fourth node and the fifth node, and a second coil to couple a sixth node to a first terminal of the backlight; and

a second capacitive element to couple the sixth node to a second terminal of the backlight.

10. (Original) The apparatus of claim 9 wherein the first, second, third, and fourth switches comprise field effect transistors (FETs).

11. (Original) The apparatus of claim 9 wherein the controller is to open and close the first, second, third, and fourth switches.

12. (Original) The apparatus of claim 9 wherein, in the continuous mode, the first and fourth switches are switched in phase, the second and third switches are switched in phase, and the first and fourth switches are switched 180 degrees out of phase with the second and third switches.

13. (Currently Amended) The apparatus of claim 9 wherein, in the burst mode, the first, second, third, and fourth switches are ~~closed~~ open during a resting duration.

14. (Currently Amended) The apparatus of claim 8 wherein the controller comprises:

an indicator pin to receive an indication of the brightness-level setting of the ~~backlight~~ display.

15. (Currently Amended) A machine readable medium having stored thereon machine executable instructions that, when executed, implement a method comprising:

receiving an indicator of a brightness-level ~~for a backlight~~ setting for a display, said display having a backlight having driven by a voltage inverter; and

selecting either a continuous mode of operation for the voltage inverter or a burst mode of operation for the voltage inverter based at least in part on the indicator.

16. (Currently Amended) The machine readable medium of claim 15 wherein the method further comprises:

comparing the brightness-level setting to a threshold brightness-level setting;

if the brightness-level setting is above the threshold brightness-level setting, setting the indicator to indicate a high brightness-level setting; and

if the brightness-level setting is below the threshold brightness-level setting, setting the indicator to indicate a low brightness-level setting.

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Application No.: 10/750,140

17. (Currently Amended) The machine readable medium of claim 16 wherein the threshold brightness level ~~comprises~~ setting corresponds to 60 candela per meter squared.

18. (Currently Amended) A machine readable medium having stored thereon machine executable instructions that, when executed, implement a method comprising:

\_\_\_\_\_ comparing a brightness level for a backlight to a threshold brightness level, said backlight having a voltage inverter;

\_\_\_\_\_ if the brightness level is above the threshold brightness level, setting an indicator to indicate a high brightness level;

\_\_\_\_\_ if the brightness level is below the threshold brightness level, setting the indicator to indicate a low brightness level; and

\_\_\_\_\_ selecting either a continuous mode of operation for the voltage inverter or a burst mode of operation for the voltage inverter based at least in part on the indicator. ~~The machine readable medium of claim 16~~ wherein the threshold brightness level corresponds to an intersection of an efficiency curve of the voltage inverter in the continuous mode and an efficiency curve of the voltage inverter in the burst mode.

19. (Original) The machine readable medium of claim 18 wherein the method further comprises:

locating the intersection.

20. (Currently Amended) The machine readable medium of claim 15 wherein the method further comprises:

adjusting setting the brightness level for the backlight setting for the display based on at least one of a user input and an operating system control.

21. (Currently Amended) The machine readable medium of claim 15 wherein selecting either the continuous mode or the burst mode comprises:

selecting the continuous mode if the indicator indicates a brightness level setting above a threshold; and

selecting the burst mode if the indicator indicates a brightness level setting below the threshold.

22. (Currently Amended) A system comprising:

a display;

a cold cathode florescent lamp (CCFL) in the display; and

a voltage inverter comprising

an inverter component for the CCFL, and

a controller for the inverter component, said controller to operate the inverter component in either a continuous mode or a burst mode based at least in part on a brightness-level setting for the ~~CCFL~~ display.

23. (Currently Amended) The system of claim 22 wherein the inverter component comprises:

a first switch coupled between a first node and a second node, said first node to couple to a voltage source;

a second switch coupled between the second node and a third node, said third node to couple to a ground;

a third switch coupled between the first node and a fourth node;

a fourth switch coupled between the third node and the fourth node;

a first capacitive element coupled between the second node and a fifth node;

a transformer having a first coil coupled between the ~~second~~ fourth node and the fifth node, and a second coil to couple a sixth node to a first terminal of the backlight; and

a second capacitive element to couple the sixth node to a second terminal of the backlight.

24. (Original) The system of claim 23 wherein the controller is to open and close the first, second, third, and fourth switches.



25. (Original) The system of claim 23 wherein, in the continuous mode, the first and fourth switches are switched in phase, the second and third switches are switched in phase, and the first and fourth switches are switched 180 degrees out of phase with the second and third switches.

26. (Currently Amended) The system of claim 23 wherein, in the burst mode, the first, second, third, and fourth switches are ~~closed~~ open during a resting duration.

27. (Currently Amended) The system of claim 22 wherein the controller comprises:

an indicator pin to receive an indication of the brightness ~~level~~ setting of the ~~backlight~~ display.